

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Matthew Lynch et al. : Group Art Unit (of patent application): 1756
Serial No. : Examiner (of parent application):
Jennifer R. Sadula
Filed: : Continuation of U.S. Patent Application
Serial No. 09/789,883
For: CUBIC LIQUID CRYSTALLINE COMPOSITIONS AND METHODS FOR
THEIR PREPARATION

INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

After allowance of the parent application, a third party submitted documents under 37 C.F.R. § 1.99. The purpose of filing this continuation application is to get those documents considered and made of record in the present application. A copy of the submission is attached. Of the listed documents, U.S. Patent 5,531,925, Landh et al., is already of record in the parent application—and that application was allowed over it. The attached PTO-1449 form lists the documents included in this third party submission, as well as the documents of record in the parent case.

The documents cited in the Third Party Submission under 37 C.F.R. § 1.99 are as follows:

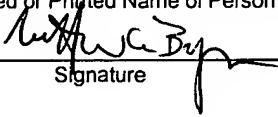
<u>U.S. PATENTS</u>	<u>PUBLICATION DATE</u>	<u>APPLICANT</u>
6,482,517 B1	11-19-2002	Anderson
5,151,272	09-29-1992	Engstrom et al.
5,531,925	07-02-1996	Landh et al.

OTHER REFERENCES

- Alfons and Engstrom, "Drug Compatibility with the Sponge Phases Formed in Monoolein, Water, and Propylene Glycol or Poly(ethylene glycol)," J. Pharm. Sci. Vol. 87, No. 12, 1527-1530 (December 1998)
- Fontell, "Cubic phases in surfactant and surfactant-like lipid systems," Colloid. Polym. Sci. 268:264-285 (1990)
- Tabony, "Formation of cubic structures in microemulsions containing equal volumes of oil and water," Nature, Vol. 319, 400 (January 30, 1986)
- Brown, ed., *Advances in Liquid Crystals*, Vol. 1, Ekwall, "Composition, Properties and Structures of Liquid Crystalline Phases in systems of Amphiphilic Compounds," pp 1-139, Academic Press (1975)
- Lindblom et al., "Phase Equilibria of Membrane Lipids from *Acholeplasma laidlawii*: Importance of a Single Lipid Forming Nonlamellar Phases," Biochemistry 25, 7502-7510 (1986)
- Engström et al., "A study of polar lipid drug carrier systems undergoing a thermoreversible lamellar-to-cubic phase transition," Int. J. Pharmaceutics, 86 137-145 (1992)
- Engström et al., "Phase behavior of the lidocaine-monoolein-water system," Int. J. Pharmaceutics, 79 113-122 (1992)

Pursuant to the waiver published in the Pre-OG Notice, dated July 11, 2003, no copies are provided herewith of U.S. patents or patent applications cited. Copies of the other references listed above are provided herewith. Copies of the remaining references are contained in the parent application. No representation is made or intended that a prior art search has been made or that no better art than the listed is available. It is respectfully requested that the documents be considered and made of record, and that the present application be passed to allowance.

Express Mail No. EV 311436660 US


"Express Mail" Mailing Label Number: <u>EV 311436660 US</u>
Date of Deposit: <u>12-4-03</u>
I hereby certify that this paper or fee is being deposited in the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 and is addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.
<u>Matthew G. Burgan</u> Typed or Printed Name of Person Signing
<u></u> Signature

Dec. 4, 2003, 2003

CinLibrary/1349171.1
10872.0519097

Respectfully submitted,

Matthew Lynch et al.


Steven J. Goldstein
Registration No. 28,079

FROST BROWN TODD LLC
2200 PNC Center
201 East Fifth Street
Cincinnati, Ohio 45202-4182
Telephone (513) 651-6131

Substitute for Form PTO 1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application No.	
Filing Date	
First Named Inventor	LYNCH, Matthew
Art Unit	
Examiner Name	
Attorney Docket No.	010872.0519097

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner initials	Cite No.	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind code ² (if known)			
		US-5,151,272	09-29-1992	Engstrom et al.	
		US-5,531,925	07-02-1996	Landh et al.	
		US-6,482,517 B1	11-19-2002	Anderson	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
		Alfons and Engstrom, "Drug Compatibility with the Sponge Phases Formed in Monoolein, Water, and Propylene Glycol or Poly(ethylene glycol)," J. Pharm. Sci. Vol. 87, No. 12, 1527-1530 (December 1998)	
		Fontell, "Cubic phases in surfactant and surfactant-like lipid systems," Colloid. Polym. Sci. 268:264-285 (1990)	
		Tabony, "Formation of cubic structures in microemulsions containing equal volumes of oil and water," Nature, Vol. 319, 400 (January 30, 1986)	
		Brown, ed., <i>Advances in Liquid Crystals</i> , Vol. 1, Ekwall, "Composition, Properties and Structures of Liquid Crystalline Phases in systems of Amphiphilic Compounds," pp 1-139, Academic Press (1975)	
		Lindblom et al., "Phase Equilibria of Membrane Lipids from <i>Acholeplasma laidlawii</i> : Importance of a Single Lipid Forming Nonlamellar Phases," Biochemistry 25, 7502-7510 (1986)	
		Engström et al., "A study of polar lipid drug carrier systems undergoing a thermoreversible lamellar-to-cubic phase transition," Int. J. Pharmaceutics, 86 137-145 (1992)	
		Engström et al., "Phase behavior of the lidocaine-monoolein-water system," Int. J. Pharmaceutics, 79 113-122 (1992)	

CinLibrary/1350446.1

EXAMINER SIGNATURE _____ DATE CONSIDERED _____

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box → [+]

PTO/SB08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> <p>SHEET 1 of 3</p>		COMPLETE IF KNOWN	
		Application Number	
		Confirmation Number	
		Filing Date	
		First Named Inventor	Lynch
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	10872.0519097

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	U.S. PATENT DOCUMENT Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	01	4,296,095		Hoppe, et al.	10-20-1981	
	02	4,557,935		af Ekenstam, et al.	12-10-1985	
	03	4,608,211		Handjani, et al.	08-23-1986	
	04	4,830,857		Handjani, et al.	05-16-1989	
	05	4,931,282		Asmus, et al.	06-05-1990	
	06	4,931,284		Ekman, et al.	06-05-1990	
	07	5,001,062		Larsson, et al.	03-19-1991	
	08	5,032,115		Hakansson, et al.	07-16-1991	
	09	5,055,228		Zabotto, et al.	10-08-1991	
	10	5,079,227		Handjani, et al.	01-07-1992	
	11	5,137,725		Handjani, et al.	08-11-1992	
	12	5,190,755		Molin, et al.	03-02-1993	
	13	5,196,201		Larsson, et al.	03-23-1993	
	14	5,230,895		Czarnecki, et al.	07-27-1993	
	15	5,260,282		Attstrom, et al.	11-09-1993	
	16	5,290,565		Zysman, et al.	03-01-1994	
	17	5,362,494		Zysman, et al.	11-08-1994	
	18	5,371,109		Engstrom, et al.	12-06-0994	
	19	5,411,742		Sebag, et al.	05-02-1995	
	20	5,439,672		Zabotto, et al.	08-08-1995	
	21	5,531,925		Landh, et al.	07-02-1996	
	22	5,539,129		Zysman, et al.	07-23-1996	
	23	5,593,663		Leng, et al.	01-14-1997	
	24	5,601,833		Ribier, et al.	02-11-1997	
	25	5,614,215		Ribier, et al.	03-25-1997	
	26	5,629,015		Ribier, et al.	05-13-1997	
	27	5,637,316		Ribier, et al.	06-10-1997	
	28	5,650,166		Ribier, et al.	07-22-1997	
	29	5,658,575		Ribier, et al.	08-19-1997	
	30	5,665,699		Philippe, et al.	09-09-1997	
	31	5,679,374		Fanchon, et al.	10-21-1997	
	32	5,679,691		Ribier, et al.	10-21-1997	
	33	5,753,241		Ribier, et al.	05-19-1998	
	34	5,753,259		Engstrom, et al.	05-19-1998	
	35	5,756,108		Ribier, et al.	05-26-1998	
	36	5,759,526		Simonnet, et al.	06-02-1998	
	37	5,807,573		Ljusberg-Wahren, et al.	09-15-1998	
	38	5,834,013		Ribier, et al.	11-10-1998	
	39	5,866,158		Ribier, et al.	02-02-1999	
	40	5,871,760		Doughty, et al.	02-16-1999	
	41	5,906,831		Larsson, et al.	05-25-1999	
	42	5,925,364		Ribier, et al.	07-20-1999	
	43	5,948,416		Wagner, et al.	09-07-1999	
	44	5,993,831		Ribier, et al.	11-30-1999	
	45	6,051,250		Ribier, et al.	04-18-2000	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Office ²	Number ³	Kind Code ⁴ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁴
	46	AU	718444		Guerin, et al.	10-21-1996		
	47	DE	3713-494	A	L'Oreal		abstract	
	48	EP	0 103 910	A1	Howard	03-28-1984		
	49	EP	0 447 318	A			abstract	
	50	EP	0 534 823	B1	Ribier, et al.	03-31-1993		
	51	EP	0 559 502	A1	Laugier, et al.		abstract	
	52	EP	0 729 747	A1	Ribier, et al.	09-04-1996		
	53	EP	0 867 168	A2	Schmidt, et al.	03-30-1998	abstract	
	54	EP	0 968 704	A1	Biatry		abstract	
	55	FR	2701396	A1	Ribier, et al.		abstract	
	56	FR	2730931	A1	Ribier, et al.		abstract	
	57	GB	2 189 457	A	Handjani, et al.	04-22-1987		
	58	SE	9400861	A	Carlsfors, et al.		abstract	
	59	WO	98SE1632		Andersson, et al.	02-24-2000		
	60	WO	9218103	A1	Leigh	10-29-1992		
	61	WO	9220319	A1	Handjani, et al.	11-26-1992		
	62	WO	9715386	A1	Guerin, et al.	05-01-1997	abstract	
	63	WO	9810281	A1	Engstrom, et al.	03-12-1998		
	64	WO	9830206	A1	Larsson, et al.	07-16-1998		
	65	WO	9847487	A1	Nielsen	10-29-1998		
	66	WO	9912640	A1	Anderson	03-18-1999		
	67	WO	9947004	A1	Leser, et al.	09-23-1999		
	68	WO	0012536	A2	Kochendoerfer, et al.	03-09-2000		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁴
	69	ANGELOV, ET AL., "X-ray Diffraction Study of the Effect of the Detergent Octyl Glucoside on the Structure of Lamellar and Nonlamellar Lipid/Water Phases of Use for Membrane Protein Reconstitution," <i>Langmuir</i> , 15, 8225-8234, 1999.	
	70	AOTA-NAKANO, ET AL., "Effects of electrostatic interaction on the phase stability and structures of cubic phases of monoolein/oleic acid mixture membranes," <i>Biochimica et Biophysica Acta</i> , 1461, 96-102, 1999.	
	71	BARENHOLZ, ET AL., "Chapter 12 Applications of the Nano-Sized Matrix of the Bicontinuous Cubic Phase," <i>Handbook of Nonmedical Applications of Liposomes</i> , vol. III, 225-235.	
	72	BELLARE, J. R.; DAVIS, H. T.; SCRIVEN, L. E.; TALMON, Y., "Controlled environment vitrification technique," <i>J. Electron Microsc. Tech.</i> , 10, 87-111, 1988.	
	73	BERNSTEIN, ET AL., "11 The Role of Hydrogen Bonding in Molecular Assemblies," 431-507.	
	74	BRIGGS, ET AL., "The Temperature-Composition Phase Diagram and Mesophase Structure Characterization of the Monoolein/Water System," <i>J. Phys. II France</i> , 6, 723-751, 1996.	
	75	CAFFREY, ET AL., "An Environmentally Sensitive Method Using Biocompatible Absorbent Materials for Water Treatment," The Ohio State University Research Foundation, www-ceg.eng.ohio-state.edu/~hwalker/projects/research%20interests.htm .	
	76	CHANG, ET AL., "Binding of drugs to monoglyceride based drug delivery systems," <i>International Journal of Pharmaceutics</i> , 147, 135-142, 1997.	
	77	CHUNG, "Cubosome Precursor Formulations New Type of Drug Delivery Systems," Presentation Slides, Koreana Institute of Science and Technology Biomedical Research Center, http://nm.snu.ac.kr/symposium/03May2000/dds.files/frame.htm	
	78	DRUMMOND, ET AL., "Surfactant Self-Assembly Objects as Novel Drug Delivery Vehicles," <i>Current Opinion in Colloid and Interfacial Science</i> , 4, 449-456, 2000.	
	79	EVANS, <i>The Colloidal Domain</i> , 2 nd ed., Wiley, NY, pp. 575-588, 1999.	
	80	FUNARI, S. S. AND GERT, R., "X-ray Studies on the C12EO2/Water System", <i>J. Phys. Chem. B</i> , 101, 732, 1997.	
	81	GUSTAFSSON, ET AL., "Submicron Particles of Reversed Lipid Phases in Water Stabilized by a Nonionic Amphiphilic Polymer," <i>Langmuir</i> , 13, 6964-6971, 1997.	
	82	GUSTAFSSON, ET AL., "Phase Behavior and Aggregate Structure in Aqueous Mixtures of Sodium Cholate and Glycerol Monooleate," <i>Journal of Colloid and Interface Science</i> , 211, 326-335, 1999.	
	83	GUSTAFSSON, ET AL., "Defective Lamellar Phases and Micellar Polymorphism in Mixtures of Glycerol Monooleate and Cetyltrimethylammonium Bromide in Aqueous Solution," <i>Langmuir</i> , 14, 4987-4996, 1998.	

84	HECHT, E., <u>Optics</u> , 2 nd ed., Addison-Wesley Publishing Co., Reading, Massachusetts, pp. 282-289, 1984.
85	HYDE ET AL., <u>The Language of Shape</u> , Elsevier, Amsterdam, chapters 1 and 4, 1997.
86	LANDH, "Phase Behavior in the System Pine Oil Monoglycerides-Poloxamer 407-Water at 20 C" <u>J. Phys. Chem.</u> , 98, 8453-8467, 1994.
87	LANDAU, ET AL., "Lipidic cubic phases: A novel concept for the crystallization of membrane proteins," <u>Proc. Natl. Acad. Sci. USA</u> , 93, 14532-14535, 1996.
88	LAUGHLIN, R.G., <u>J. Colloid Interface Sci.</u> , 55, 235-242, 1976.
89	LAUGHLIN, R.G., <u>The Aqueous Phase Behavior of Surfactants</u> , Academic Press, New York, pp. 255 and 521-546, 1994.
90	LEE, ET AL., "Combined effect of oleic acid and polyethylene glycol 200 on buccal permeation of [D-Ala2, D-Leu5]enkephalin from a cubic phase of glyceryl monooleate," <u>International Journal of Pharmaceutics</u> , 204, 137-144, 2000.
91	LINDELL, ET AL., "Influence of a charged phospholipid on the release pattern of timolol maleate from cubic liquid crystalline phases," <u>S. Prog. Colloid Polym. Sci.</u> , 108, 111-118, 1998.
92	UPOWSKY, ET AL., eds., "The Structure and Conformation of Amphiphilic Membranes," Proceedings of the International Workshop on Amphiphilic Membranes, Julich, Germany, September 16-18, 1991, TEMPLER, ET AL. "Swollen Lyotropic Cubic Phases in Fully Hydrated Mixtures of Monoolein, Dioleoylphosphatidylcholine, and Dioleoylphosphatidylethanolamine," 262-265.
93	LUZZATI ET AL., <u>J. Mol. Biol.</u> , 229, 540-551, 1993.
94	LYNCH ET AL., "Aqueous Phase Behavior and Cubic Phase-Containing Emulsions in the C12E2-Water System," <u>Langmuir</u> , Vol. 16, No. 7, pp. 3537-3542, 2000.
95	PEARSON, J. T., SMITH, J. M., "The Effect of Hycrotropic Salts on the Stability of Liquid Crystalline Systems," <u>J. Pharm. Pharmac.</u> , 26, 123-124, 1974.
96	PITZALIS, ET AL., "Characterization of the Liquid-Crystalline Phases in the Glycerol Monooleate/Diglycerol Monooleate/Water System," <u>Langmuir</u> , 16, 6358-6365, 2000.
97	PORTER, M.R., <u>Handbook of Surfactants</u> , 2 nd ed., Blackie Academic & Professional, pp. 188-236.
98	PUVVADA, ET AL., "Ionotropic Gelation in a Bicontinuous Cubic Phase," <u>J. Phys. Chem.</u> , 97, 11103-11107, 1993.
99	RAZUMAS, ET AL., "A Cubic Monoolein-Cytochrome c-Water Phase: X-ray Diffraction, FT-IR Differential Scanning Calorimetric, and Electrochemical Studies," <u>J. Phys. Chem.</u> , 100, 11766-11774, 1996.
100	RAZUMAS, ET AL., "Effects of distearoylphosphatidylglycerol and lysozyme on the structure of the monoolein-water cubic phase: X-ray diffraction and Raman scattering studies," <u>Chemistry and Physics of Lipids</u> , 84, 123-138, 1996.
101	RAZUMAS, ET AL., "Structural characteristics and redox activity of the cubic monoolein/ubiquinone-10/water phase," <u>Progr. Colloid Polym. Sci.</u> , 108, 76-82, 1998.
102	RUMMEL, ET AL., "Lipidic Cubic Phases: New Matrices for the Three-Dimensional Crystallization of Membrane Proteins," <u>Journal of Structural Biology</u> , 121, 82-91, 1998.
103	ROSEVEAR, F.B., <u>J. Am. Oil Chemists Soc.</u> , 31, 628-638, 1954.
104	SODERBERG, ET AL., "Phase properties and structure of a monoglyceride/sucrose/water system," <u>Chemistry and Physics of Lipids</u> , 55, 97-101, 1990.
105	WINEY, THOMAS AND FETTERS, "Morphologies in Binary Blends", <u>J. Chem. Phys.</u> , Vol. 95, No. 12, Pg. 9368, 1991.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231.

Please type a plus sign (+) inside this box → [+]

PTO/SB08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031
Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p style="text-align: center;">Substitute for form 1449A/PTO</p> <p style="text-align: center; font-size: 1.2em; font-weight: bold;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(use as many sheets as necessary)</p> <p>SHEET 1 of 1</p>	<p style="text-align: center; font-weight: bold;">COMPLETE IF KNOWN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Application Number</td> <td></td> </tr> <tr> <td>Confirmation Number</td> <td></td> </tr> <tr> <td>Filing Date</td> <td></td> </tr> <tr> <td>First Named Inventor</td> <td>Matthew L. LYNCH et al.</td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>10672.0519097</td> </tr> </table>	Application Number		Confirmation Number		Filing Date		First Named Inventor	Matthew L. LYNCH et al.	Group Art Unit		Examiner Name		Attorney Docket Number	10672.0519097
Application Number															
Confirmation Number															
Filing Date															
First Named Inventor	Matthew L. LYNCH et al.														
Group Art Unit															
Examiner Name															
Attorney Docket Number	10672.0519097														

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	U.S. PATENT DOCUMENT Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Office ³ Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
	1	WO 01/68139	A1	Korea Institute of Science and Tech.	09/20/2001		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	2	J. S. KIM, et al., <i>Drug Formulations that Form a Dispersed Cubic Phase when Mixed with Water</i> , Proceed. Int'l. Symp. Control. Rel. Bioact. Mater., 27 (2000) Controlled Release Society, Inc., pgs. 1118 & 1119	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Notice of References Cited	Application/Control No.	Applicant(s)/Patent Under LYNCH ET AL	
	Examiner	Art Unit	Page 1 of 1

U.S. PATENT DOCUMENTS

		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,196,201	05-1993	LARSSON et al.	424/422
	B	US-5,371,109	12-1994	ENGSTROM et al.	514/786
	C	US-5,531,925	07-1996	LANDH et al.	252/299.01
	D	US-5,593,663	01-1997	LENG et al.	424/65
	E	US-5,753,259	05-1998	ENGSTROM et al.	424/450
	F	US-5,807,573	09-1998	LJUSBERG-WAHREN et al.	424/450
	G	US-5,753,259	05-1998	ENGSTROM et al.	424/450
	H	US-5,866,158	02-1999	RIBIER et al.	424/450
	I	US-5,906,831	05-1999	LARSSON et al.	424/450
	J	US-5,919,434	07-1999	DUNGSTAD et al.	424/9.52
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	0 103 910	06-1983	EU	Howard	A61K 7/48
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.